DOCUMENT RESUME

ED 107 898 95 CE 004 009

TITLE	[Secondary Career Education Activities: Social Studies.]
INSTITUTION	Radford City Schools, Va.
SPONS AGENCY	Office of Education (DHEW), Washington, D.C.
BUREAU NO	V361010L
GRANT	OEG-0-73-2990
NOTE	58p.; For related documents, see CE 003 996-CE 004 008 and CE 004 010
AVAILABLE FROM	Kuhn Barnett Elementary School, 4th and Pendleton Streets, Radford, Virginia, 24141 (K-3 (39 units) $5.00; 4-7 (42 units) $5.00; Special Education (18 units) $5.00; 8-12 (107 units) $10.00)
EDRS PRICE	MF-$0.76 HC-$3.32 PLUS POSTAGE
DESCRIPTORS	*Career Education; *Curriculum Guides; *High School Curriculum; Integrated Curriculum; Occupations; Resource Materials; *Secondary Education; *Social Studies; Units of Study (Subject Fields)
IDENTIFIERS	*Radford Career Education Program

ABSTRACT

The guide is one of a series developed in a pilot project to integrate career education concepts with subject matter in secondary grades. The units are designed to reveal career orientation aspects of traditional topics within five major subject areas: English, social studies, mathematics, science, and health and physical education. The lesson plans are presented in brief outline form, but activities range from those of short duration to several weeks. All provide broad objectives, performance objectives, lesson procedures, and materials and resources in all media. The units in social studies directed to grades 8-12 cover armed services, housing, archeology, advertising, anthropology, geology, history, government, environment, the stock market, consumer education, agribusiness, saving money, international service, courts, labor organizations, transportation, marine science, cartography, business, banking, and income tax. (MDW)

****
* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *
****

ED107898

U.S. DEPARTMENT OF HEALTH
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION
THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY.

RADFORD CITY SCHOOL'S CAREER EDUCATION PROJECT
RADFORD, VIRGINIA 24141

INTRODUCTION TO SECONDARY CAREER EDUCATION ACTIVITIES

The Career Education Program of the Radford City Schools is a pilot project of research and development for career education techniques and materials. It is funded through a grant from the United States Office of Education which extends until December 14, 1974.

The activity approach was utilized to implement career education concepts on the secondary level. The activities were developed in five major subject areas which include Mathematics, English, Science, Health and Physical Education and Social Studies.

The intent of the activities is to assist in refocusing traditional subject matter content to the extent that career orientation evolves as the original content is presented.

Some career activities are short in duration while others may consume several weeks.

CE004107

ED107898

SOCIAL STUDIES

CE004009

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"MONEY AND BANKING CAREERS"

GRADE: 8
SUBJECT: HISTORY

BROAD OBJECTIVES:

1. To help students explore the various careers in banking and related areas.

2. To enhance the students understanding of the world of money and the banking institution.

PERFORMANCE OBJECTIVE:

To help the student understand the following:
- interest
  checking account
- savings account
- loans
- other banking practices

LESSON PROCEDURE:

The class will be divided into groups, covering all the areas of banking. The class will create, as much as possible, materials needed to operate a bank. Each student will research his or her area of the banking world and either orally or written relate it to the class.

Various filmstrips, speakers, and books will be used to enhance the learning experience.

MATERIALS AND RESOURCES:

Books:

Pesek, Boris P., Saving, Thomas R. The Foundations of Money and Banking. MacMillan, 1968.
Smith, Kenneth H. Money and Banking. Lerner, 1970.

Basic Text:

Hartley, William H., Vincent, William S. American Civics. Harcourt, Brace, and World, 1967.

Kits:

Modern Consumer Education. Grolier Educational Corp., 1970.
Career Kit. Largo, Florida, 1972.
Occupational Exploration Kit. Science Research Associates, Inc., 1970. #11 Bank Workers, #46 Bank Officers.

MATERIALS AND RESOURCES: (Continued)

Filmstrips:

Just A Teller. Educational Activities, Inc., Freeport, New York, 1967.
Money Management. BFA Educational Media, Santa Monica, Cal., 1968.

Speakers:

Various Occupational Specialists.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

'CITY GOVERNMENT"

GRADE: 8
SUBJECT: HISTORY

BROAD OBJECTIVES:

1. To foster learning in the various public service careers in city government.

2. To enhance the students knowledge of governmental operations and how their own city operates.

PERFORMANCE OBJECTIVES:

1. To help the students locate geographically the locations of city offices and buildings.

2. To help the students understand the various responsibilities and duties of city employees.

LESSON PROCEDURE:

Each student will be assigned at least one city official or department to research. The student will show on the city map the location(s) of the department. Other items of research will be included as necessary.

MATERIALS AND RESOURCES:

Books:

Andrews, Richard. City Planning. Free Press, 1971.
Hoag, Edwin. Cities and Towns. Lippincott, 1969.
Sullivan, Mary. Careers in Government. Walch, 1964.

Kit:

Occupational Exploration Kit. Science Research Associates, Inc., 1967. #10, #96.

Filmstrips:

City Government in Action. Guidance Associates, 1969.
Perceptions: The City. Educational Dimensions Corp., 1970.

Map:

City of Radford

Basic Text:

Hartley, William H.; Vincent, William S. American Civics. Harcourt, Brace and World, Inc., 1967.

MATERIALS A. RESOURCES: (Continued)

Speaker:

Various Occupations

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"SAVING MONEY"

GRADE: 8
SUBJECT: SOCIAL STUDIES

BROAD OBJECTIVE:

To orient students to the importance of and the various ways to save money.

PERFORMANCE OBJECTIVE:

The student will be able to give the advantages and disadvantages of various ways of saving money and be able to describe the jobs of one involved in these areas in terms of educational requirements, hours, advancement and salary.

LESSON PROCEDURE:

1. Class discussion on money - why it has value, the fluctuation of buying power and importance of saving.

2. List ways to invest money.

3. Free choice for individual research.

4. Paper to be written on research accompanied by list of sources of information. May be from books, filmstrips, tapes, personal interviews or any other reliable source.

5. Oral reports, skits, etc. to be presented to entire class - may be accompanied by charts, filmstrips, tapes, speakers, etc.

MATERIALS AND RESOURCES:

Text:

Hartley and Vincent. American Civics. Harcourt, Brace and World, C. 1967.

Books:

Paradis, Adrian A. The Economists Reference Book. C. 1970.
Pask and Thomas. The Foundations of Money. C. 1968.
Wade, Wm. W. From Barter to Banking. MacMillian Company, C. 1967.
Whittlesey, Freedman, Herman. Money & Banking. MacMillian Company, C. 1968.

Audio and Visual:

"Banker". Career Division Laboratory TM. (Tape)

MATERIALS AND RESOURCES: (Continued)

Audio and Visuals:

"Money and You - Banks". Avid Corp. Filmstrip & Record
"The Credit Union". Money Management Series BFA, 1968.
Filmstrip and Record
"Insurance". Western Tapes; Ed. Products Co.
"Stock Broker". Career Division Laboratory. Tape

Resource People - Interviews:

Insurance Agent
Stock Broker
Banker
Member of Credit Union
Real Estate Agent
Jeweler
Art Collector
Antique Collector

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CONSUMER AND OCCUPATIONAL EDUCATION"

GRADE: 8
SUBJECT: SOCIAL STUDIES

BROAD OBJECTIVE:

1. To orient the student with the area of consumerism.

2. To orient the student with the occupational world.

PERFORMANCE OBJECTIVE: (As A Consumer)

1. Help the student manage money.

2. Help the student understand the role of a provider.

3. Help the student understand modern buying habits.

4. Help the student understand his role in economics.

PERFORMANCE OBJECTIVE: (As A Worker)

1. Help the student manage an occupation.

2. Help the student to understand why and how to keep proper records.

3. Help the student understand profit and loss.

4. Help the student understand occupational requirements.

5. Help the student understand such things as: overhead expenses, insurance protection, and other occupational terminology.

LESSON PROCEDURE:

Each student plays a dual role of consumer and worker. Students can work together in groups of two in a business, but each one must maintain his own consumer role. Each student is to begin with an occupation of his choice which will make him self-sustaining in the class room. Students have to purchase the following before the close of the exercise: house, car, insurance on car, heat, food for all year, gas for all year, and clothes for all four seasons of the year. It is also recommended that students purchase the following: luxury item, plan a vacation, and insurance on all belongings and person.

Each student will have the following to begin the exercise: $1500 in play money, all occupational needs and products, and a house, which he must sell. The students will have a folder in which they will keep all their related material.

LESSON PROCEDURE: (Continued)

Each student should contact someone in their occupational area before the exercise begins. This will give the student insight into the requirements and responsibilities of their respective occupations.

The exercise will involve sixteen school days.

Evaluation of each student will be based upon the following: preparedness each day, records of each student, fulfillment of requirements, product displays, and money management.

MATERIALS AND RESOURCES:

Modern Consumer Education. Grolier Educational Corporation, New York, New York.

Resource People:

Resource people in various occupations.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"ADVERTISEMENT"

GRADE: 8
SUBJECT: HISTORY

BROAD OBJECTIVES:

1. To evaluate careers in advertising.

2. To enhance the students understanding of the purpose, means, and impact of advertising on the American way of life.

PERFORMANCE OBJECTIVE:

To help the student understand the following:

- why advertise
- types of advertising
- false or misleading advertising
- how to advertise

LESSON PROCEDURE:

Students will work in pairs, and they will create a product to sell to the class. Various filmstrips, speakers, and books will be used to supplement the learning activity.

MATERIALS AND RESOURCES:

Aoker, David. Consumerism. Free Press, 1971.
Amstell, I. Joel. What You Should Know About Advertising. Oceans, 1969.
Campbell, Hannah. Why Did They Name It.....? Fleet, 1964.
Packard, Vance. Hidden Persuaders. McKay, 1957.
Wood, James Playsted. This is Advertising. Crown, 1968.

Tape:

Advertising. Classroom World Productions, 1970.

Filmstrips:

Art Careers in Advertising. Educational Dimensions, 1968.
Writing Careers in Advertising. Educational Dimensions, 1968.

Kits:

Career Kit. Largo, Florida, 1973.
Modern Consumer Education. Grolier Educational Corp., 1970.

Basic Text:

Hartley, William H. & Vincent, William S. American Civics. Harcourt, Brace, and World, Inc., 1967.

MATERIALS AND RESOURCES: (Continued)

Speaker:

Occupational Specialists

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"ARMED SERVICES"

GRADE: 8
SUBJECT: HISTORY

BROAD OBJECTIVES:

1. To help the student explore the various career opportunities in the armed services.

2. To help the student understand the volunteer army as opposed to the draft system.

PERFORMANCE OBJECTIVE:

To help the student understand the following:
- the new armed forces
- the old draft system
- why an armed service
- costs and sources of armed forces
- responsibilities of each citizen in regard to America's armed forces

LESSON PROCEDURE:

By the use of textbooks, filmstrips, discussion, and various speakers, the student will investigate the realm of the armed forces.

MATERIALS AND RESOURCES:

Books:

Burrowes, Thomas. United States Navy. Richards Rosen, 1965.
Calvert, James. United States Navy. McGraw, 1965.
Capron, Walter C. U. S. Coast Guard. Franklin Watts, 1965.
Engle, Eloise Katherine. United States Army Medical Service. John Day, 1967.
Fraser, Angus M. United States Marine Corps. Richards Rosen, 1969.
Harwood, Michael. Military Education. Meredith, 1968.
Harwood, Michael. Military Service Compulsory. Meredith, 1968.
MacClosky, Munro. United States Air Force. Praeger, 1967.

Kits:

Career Kit. Largo, Florida, 1971.
Occupational Exploration Kit. Science Research Associates, Inc., 1967. #161.

Pamphlets:

Various pamphlets from recruiting offices.

MATERIALS AND RESOURCES: (Continued)

Speaker:

Occupational specialists

Basic Text:

Hartley, William H.; Vincent, William S. American Civics. Harcourt, Brace and World, 1967.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"HOUSING"

GRADE: 8
SUBJECT: HISTORY

BROAD OBJECTIVES:

1. To help the student evaluate the various careers in home construction.

2. To enhance the students knowledge in the historical development of the American home.

PERFORMANCE OBJECTIVES:

1. To help the student understand how a home is built, and who is involved.

2. To help the student understand why more people are needed to build a home today.

LESSON PROCEDURE:

Students will work in groups to construct a model home from a certain period of history, in which they will relate to the class what is used in building it and why.

As each period of history is covered, the students will understand how inventions have helped the homeowner.

A building contractor will be used to enhance learning in class.

MATERIALS AND RESOURCES:

Books:

American Heritage. An American Heritage Guide to Historic Houses of America. American Heritage, 1971.
Townshend, Gilbert and Dolzell, J. Ralph. How to Plan A House. American Technical Society, 1958.

Filmstrips:

Building Trade Workers Series. Eye Gate, 1972.
The Exterior Painter. Eye Gate, 1972.
The Interior Painter. Eye Gate, 1972.
The Sider. Eye Gate, 1972.

Slides:

Selecting a House Plan. NASCO, 1972.

MATERIALS AND RESOURCES: (Continued)

Kits:

Career Kit. Largo, Florida, 1972.
Modern Consumer Education. Grolier Educational Corp., 1970.

Speaker:

Building Contractor

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN ANTHROPOLOGY"

GRADE: 9
SUBJECT: WORLD HISTORY AND/OR GEOGRAPHY

BROAD OBJECTIVES:

1. To orient students to the ways in which we have learned about pre-historic and early historic societies.

2. To explore careers in anthropology.

PERFORMANCE OBJECTIVES:

1. The student will be able to assess the contributions made by anthropologists to our knowledge concerning early man, modern primitive civilizations, and modern man.

2. The student will be able to describe the occupations of anthropologists in terms of educational requirements, methods and places of work, advancement possibilities, and approximate salaries.

LESSON PROCEDURES:

1. Class discussion relating to man and how we have obtained information about early man, his contributions to civilization, and his relationships to modern man.

2. Discussion specifically related to anthropology.

3. Free choice for individual research.

4. Oral or written reports. Oral reports may incorporate pictures, statistics, etc.

5. Filmstrips, films and other audio-visual materials.

6. Outside speakers to be invited either by instructor or students.

7. Field trips where applicable.

MATERIALS AND RESOURCES:

1. Texts:

Boak, Slesson, et. al. The History of Our World. Houghton Mifflin Company, 1964.
Jones & Murphy. Geography and World Affairs. Rand McNally, 1971.
Kohn & Drummond. The World Today. McGraw Hill, 1963.
Perry, Marvin. Man's Unfinished Journey. Houghton Mifflin Company, 1971.

MATERIALS AND RESOURCES: (Continued)

2. Books:

Brannum, Mary. When I Was 16. "Margaret Mead". Platt & Munk, 1967.
Dalton, George. Tribal and Peasant Economics. Natural History Press, 1967.
Hays, H. R. Explorers of Man. Crowell-Collier, 1971.
Mead, Margaret. Anthropologists and What They Do. Walts, 1965.
Oliver, Douglas. Invitation to Anthropology. Natural History Press, 1964.
Russell, W. M. S. Man, Nature and History. Natural History Press, 1969.
Stoddard, Hope. Famous American Women. "Margaret Mead". Thomas Y. Crowell Company, 1970.

3. Audio-Visual:

Africa: Continent in Change. "Adventures in Search of Early Man". National Geographic. (filmstrip with tape)
Ancient Times. "Adventuring into the Buried Past". National Geographic. (filmstrip with record)

4. Career Summary:

"Anthropologist". Careers, Inc., Largo, Florida, 1969.

5. Resource People:

Anthropologist

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"PROFESSIONAL OCCUPATION: HISTORIAN"

GRADE: 9
SUBJECT: WORLD HISTORY AND/OR GEOGRAPHY

BROAD OBJECTIVES:

1. To orient students to the role of the historian as a contributor to our store of information about society.

2. To explore careers related to the historian.

PERFORMANCE OBJECTIVES:

1. The students will be able to evaluate the contributions made by the historian to society and to appreciate sound, unbiased information.

2. The students will be able to describe the occupation of a historian and the related fields in terms of opportunities, educational requirements, methods of study and research, and remuneration, both tangible and intangible.

LESSON PROCEDURE:

1. Class discussion relating to history and how we have obtained this information.

2. Use of books, tapes, career summaries, films and other available materials for individual study.

3. Use of a simulated situation whereby the student may evaluate and record data in the manner of the historian.

4. Use of resource persons in the field.

MATERIALS AND RESOURCES:

1. Books:

Cantor, Norman E. and Schneider, Richard L. How to Study History. Thomas Y. Crowell Company, 1967.
Gray, Wood. Historian's Handbook: A Key to the Study and Writing of History. Houghton Mifflin Company, 1964.
Shafer, R. J. A Guide to Historical Method. Dorsey Press, 1969.
Turabian, Kate L. A Manual for Writers of Term Papers, Theses, and Dissertations. University of Chicago Press, 1967.

2. Career Summaries:

"Historian". Careers, Largo, Florida, 1972.
"Historians". SRA Occupatioan Brief, 1972.

MATERIALS AND RESOURCES: (Continued)

3. Miscellaneous:

Any materials the instructor may wish, to establish a simulated situation for evaluating historical material. This may be past or current.

4. Resource People:

Historian
Museum Curator

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN ARCHEOLOGY, ANTHROPOLOGY, AND GEOLOGY"

GRADE: 9
SUBJECT: WORLD HISTORY

BROAD OBJECTIVE:

1. To orient students to the ways in which we have learned about pre-historic societies.

2. To explore the careers of archeology, anthropology, and geology.

PERFORMANCE OBJECTIVE:

1. The student will be able to assess the contributions made by archeologists, anthropologists, and geologists to our knowledge concerning early man.

2. The student will be able to describe the occupations of these three scientists in terms of educational requirements, methods and places of work, advancement possibilities, and approximate salaries.

LESSON PROCEDURE:

1. Class discussion relating to the contributions of early man and how we have obtained this information from pre-historic times.

2. Discussion specifically relating to archeology, anthropology, and geology.

3. Free choice for individual research.

4. Oral or written reports. Oral reports may be accompanied by pictures, statistics, filmstrips, tapes, etc.

5. Outside speaker to be invited either by instructor or student.

6. Incorporate role playing of various professions that relate to archeology, anthropology, and geology.

MATERIALS AND RESOURCES:

Text:

Boak, Slesson, et al. The History of Our World. Houghton Mifflin Company, 1964.
Perry, Marvin. Man's Unfinished Journey. Houghton Mifflin Company, 1971.

MATERIALS AND RESOURCES: (Continued)

Books:

Baldwin, Gordon C. Race Against Time. G. P. Putnam's Sons, 1966.
Cottrell, Leonard. Digs and Diggers. World Publishing Company, 1964.
Poole, Gray and Lynn. Carbon-14 and Other Science Methods that Date the Past. McGraw-Hill Book Company, 1961.
Wheeler, Margaret. History was Buried. Hart Publishing Company, 1967.

Audio Visual:

Africa: Continent in Change. "Adventures in Search of Early Man". National Geographic (filmstrip with tape).
Ancient Times. "Adventuring Into the Buried Past". National Geographic (filmstrip with record).

Resource People:

Archeologist
Anthropologist
Geologist

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN ARCHEOLOGY"

GRADE: 9
SUBJECT: WORLD HISTORY AND/OR GEOGRAPHY

BROAD OBJECTIVES:

1. To orient students to the ways in which we have learned about pre-historic and early historic societies.

2. To explore the careers in archeology.

PERFORMANCE OBJECTIVES:

1. The student will be able to assess the contributions made by archeologists to our knowledge concerning early man.

2. The student will be able to describe the occupations of archeologists in terms of educational requirements, methods and places of work, advancement possibilities, and approximate salaries.

LESSON PROCEDURES:

1. Class discussion relating to the contributions of early man and how we have obtained information from pre-historic and early historic times.

2. Discussion specifically related to archeology.

3. Free choice for individual research.

4. Oral or written reports.

5. Filmstrips, films, and other audio-visual materials.

6. Outside speaker to be invited either by instructor or student.

7. Role playing of various areas of archeology.

8. Field trip to a "dig", if possible.

MATERIALS AND RESOURCES:

1. Texts:

Boak, Slesson, et. al. The History of Our World. Houghton Mifflin Company, 1964.
Jones and Murphy. Geography and World Affairs. Rand McNally, 1971.
Kohn and Drummond. The World Today. McGraw-Hill, 1963.
Perry, Marvin. Man's Unfinished Journey. Houghton Mifflin Company, 1971.

MATERIALS AND RESOURCES: (Continued)

2. Books:

Baldwin, Gordon C. Race Against Time. G. P. Putnam's Sons, 1966.
Brennan, Louis A. Beginner's Guide to Archeology. Stackpole Books, 1973.
Cottrell, Leonard. Digs and Diggers. World Publishing Company, 1964.
Daniel, Glynn. The Origins and Growth of Archeology. Thomas Y. Crowell Company, 1967.
Fortiner, Virginia J. The Science Hobby Book of Archeology. Lerner Publication Company, 1968.
Jessup, Ronald. The Wonderful World of Archeology. Doubleday & Company, Inc., 1968.
Poole, Gray and Lynn. Carbon-14 and Other Science Methods that Date the Past. McGraw-Hill Book Company, 1961.
Silverberg, Robert. Frontiers in Archeology. Chilton Book Company, 1966.
Wheeler, Margaret. History was Buried. Hart Publishing Company, 1967.

3. Audio-Visual:

Africa: Continent in Change. "Adventures in Search of Early Man". National Geographic. (with sound)
Ancient Times. "Adventuring Into the Buried Past". National Geographic. (with sound)
Archeologists at Work. Educational Motion Pictures for Virginia's Public Schools. (13 minute film)
Dr. Leaky And the Dawn of Man. Educational Motion Pictures for Virginia's Public Schools.

4. Rescurce People:

Archeologist

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN GEOLOGY"

GRADE: 9
SUBJECT: WORLD HISTORY AND/OR GEOGRAPHY

BROAD OBJECTIVES:

1. To orient students to the contributions made by geologists to our knowledge of the world.

2. To explore careers related to geology.

PERFORMANCE OBJECTIVES:

1. The student will be able to evaluate the contributions made by geologists to our knowledge of the world.

2. The student will familiarize himself with the occupation of the geologist and related personnel with respect to educational requirements, methods and places of work, hours and salaries.

LESSON PROCEDURES:

1. General introduction to geology through the use of posters, etc.

2. Class discussion relating to contributions of geologists.

3. Specific discussion relating to geology (how and why).

4. Individual research with class presentations.

5. Speakers utilizing community resources.

MATERIALS AND RESOURCES:

1. Texts:

Jones & Murphy. Geography and World Affairs. Rand McNally, 1971.
Kohn & Drummond. The World Today. McGraw-Hill, 1963.

2. Books:

Fenton, Carroll Lane. Rocks and Their Stories. Doubleday, 1951.
Ogburn, Charlton. The Forging of Our Continent. American Heritage, 1968.
Poole, Gray and Lynn. Carbon-14 and Other Science Methods that Date the Past. McGraw-Hill Book Co., 1961.
Quennell, Major [illegible] C. H. B. Everyday Life in Prehistoric Time. G. P. [illegible]am's Sons, 1968.

MATERIALS AND RESOURCES: (Continued)

3. Posters:

Robinson, Hungerford. Rocks and Minerals. J. Weston Walch, 1966. (18 posters)

4. Career Summaries:

Geologist. Careers, Inc., Largo Florida.
Geologists. SRA Occupational Brief. Science Research Association.

5. Film:

Rocks that Reveal the Past. Educational Motion Pictures for Virginia's Public Schools.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"TRANSPORTATION CAREERS: TRUCKING"

GRADE: 9
SUBJECT: WORLD HISTORY AND/OR GEOGRAPHY

BROAD OBJECTIVES:

1. To acquaint the students with the importance of the trucking industry as to the major means of transporting goods in todays society.

2. To explore the many careers related to the trucking industry.

PERFORMANCE OBJECTIVES:

1. The students will learn the major road routes for trucks and why they are located where they are; relating to terrain, resources, and industries.

2. The student will be able to describe the occupations relating to the trucking industry. He will have knowledge of educational or training requirements, hours, wages, benefits and opportunities in the field.

LESSON PROCEDURES:

1. Class discussion on various means of transportation, using prints on transportation.

2. Film strip on Transportation; Horseback to Jet.

3. Use of books, tapes, film loops, career summaries, and filmstrips for individual study.

4. Role playing as a means for job descriptions for class, using any equipment they may find.

5. Resource people in field.

MATERIALS AND RESOURCES:

1. Filmstrips:

   The Automotive Mechanic. SVE, 1973. (sound)
   The Long Haul Driver. SVE, 1973. (sound)
   Transportation: Horseback to Jet. Life, 1955.

2. Prints:

   Transportation. Documentary Photo Aids.

3. Tapes:

   Transportation. Classroom World Productions, Inc.

MATERIALS AND RESOURCES: (Continued)

4. Film Loops:

Local Truck Driver. Encyclopedia Britannica Educational Corp.
Truck Mechanic and Bus Mechanic. Encyclopedia Britannica Educational Corp.

5. Career Summaries:

Power Truck Operation. SRA, 1970.
Long-Distance Truck and Bus Drivers. SRA, 1970.
Diesel Mechanic. Careers, Inc., Largo, Fla., 1973.
Mechanic, Truck and Bus. Careers, Inc., Largo, Fla., 1973.
Driver, Heavy Truck. Careers, Inc., Largo, Fla., 1973.
Automotive Brakeman. Careers, Inc., Largo, Fla., 1973.

6. Books:

Coombs, Charles I. Wheels, Wings and Water. World, 1963.
Occupational Outlook Handbook, 1972-73, "Driving Occupations". U. S. Department of Labor, 1973.
Sullivan, George. How Does It Get There. Westminister, 1973.
Tunis, Edwin. Wheels. World, 1955.

7. Films:

American Road
Transportation by Land
Trucks and Trains
Trucks in our Neighborhood

(All of the above films are available from Educational Motion Pictures for Virginia's Public Schools.)

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

'CAREERS IN MARINE SCIENCE"

GRADE: 9
SUBJECT: WORLD HISTORY AND/OR GEOGRAPHY

BROAD OBJECTIVES:

1. To familiarize students with the oceans and their potential use to man.

2. To acquaint the students with the varied job opportunities related to the oceans.

PERFORMANCE OBJECTIVES:

1. The student should have specific information on the various uses of the oceans such as transportation, minerals, possible water supply, food, etc.

2. The student should have summaries of the various jobs relating to marine science that would include educational requirements, work hours, wages, advancement, etc.

LESSON PROCEDURES:

1. Individual assignments using books, career summaries, and cassettes to be discussed in round table manner.

2. Introduce with the SFS on Marine Science.

3. Discussion of filmstrips.

4. Listing various uses of oceans and their importance.

5. Round table discussion with questions from the class to be answered by panel or teacher.

6. Film to be shown as culminating activity.

MATERIALS AND RESOURCES:

1. Texts:

Boak & Slesson, et. al. The History of Our World. Houghton Mifflin Company, 1964.
Jones & Murphy. Geography and World Affairs. Rand McNally, 1971.
Kohn & Drummond. The World Today. McGraw-Hill, 1963.
Perry, Marvin. Man's Unfinished Journey. Houghton Mifflin Company, 1971.

MATERIALS AND RESOURCES: (Continued)

2. Books:

Briggs, Peter. Men in the Sea. Simon & Schuster, 1968.
DeBorhegyi, Suzanne. Ships, Shoals and Amphores; The Story of Underwater Archeology. Holt, 1961.
Kovoalik, Vladmir. The Ocean World. Holiday, 1966.
Long, John. Ocean Sciences. Banta, 1964.

3. Career Summaries:

Oceanographer. Careers, Inc., 1973.
Oceanographers. Science Research Associates, 1973.

3. Cassettes:

Oceanography. Classroom World Productions, Careers Unlimited, 1970.

5. Filmstrips:

Understanding Oceanography. Society of Visual Education, Inc. (sound)
Marine Science. Career Education Cluster, Westinghouse. (sound)

6. Films:

Oceanography - Science of the Sea. Educational Motion Pictures for Virginia's Public Schools. (11 min.)

7. Resource People:

Oceanographer

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"TRANSPORTATION CAREERS: RAILROAD"

GRADE: 9
SUBJECT: WORLD HISTORY AND/OR GEOGRAPHY

BROAD OBJECTIVES:

1. To acquaint students with the importance of transportation to the capitalistic system.

2. To orient students to the importance of railroad transportation to the whole transportation system.

3. To explore the many careers related to the railroad industry.

PERFORMANCE OBJECTIVES:

1. The student will be able to follow the advances in transportation and to evaluate the importance of railroad transportation to our modern system.

2. The student will learn the opportunities available in the field of the railroad industry.

LESSON PROCEDURES:

1. Introduce the unit with the filmstrip, American Transportation: Horseback to Jet.

2. Initiate general discussion on transportation, culminating with a discussion of railroads and their importance to the individual.

3. Oral or written reports, supplemented by appropriate maps, charts, pictures, etc. Reports will be selected according to student interest.

4. Field trip, if possible.

5. Use of community resource persons.

6. Use the movie, Transportation in the Modern World, as a culminating activity.

MATERIALS AND RESOURCES:

1. Texts:

Boak, Slesson, et. al. The History of Our World. Houghton Mifflin Company, 1964.
Jones & Murphy. Geography and World Affairs. Rand McNally, 1971.
Kohn & Drummond. The World Today. McGraw-Hill, 1963.
Perry, Marvin. Man's Unfinished Journey. Houghton Mifflin Company, 1971.

MATERIALS AND RESOURCES: (Continued)

2. Filmstrips:

American Transportation: Horseback to Jet. Life, 1955.

3. Books:

American Heritage. Railroads in the Days of Steam. American Heritage, 1960.
Burt, Oliver W. The Story of American Railroads. Day, 1969.
Stover, John F. American Railroads. University of Chicago Press, 1961.
U. S. Department of Labor. Occupational Outlook Handbook. Railroads. U. S. Department of Labor, 1972-73.
Zarchy, Harry. Model Railroads. Knopf, 1955.

4. Career Summaries:

Railroad Brakeman. Careers, Inc., Largo, Florida, 1971.
Operating Railroad Workers. SRA, 1970.
Railroad Track Workers. SRA, 1970.
Railroad Dining-Car Waiters. SRA, 1972.

5. Films:

Freight Train
Freight Trains Today
Passenger Train
Railroad Builders
Trucks and Trains
Transportation in the Modern World

(All of the above films are available from Educational Motion Pictures for Virginia's Public Schools.)

6. Resource People:

Community resource persons for fields related to railroad transportation.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"ENVIRONMENTAL CAREERS: FORESTRY & OTHERS"

GRADE: 9
SUBJECT: WORLD HISTORY AND/OR GEOGRAPHY

BROAD OBJECTIVES:

1. To emphasize the importance of the conservation of our environment.

2. To acquaint the students with the jobs related to forestry and other environmental areas.

PERFORMANCE OBJECTIVES:

1. To be able to list the resources that are most endangered.

2. To be able to give possible solutions for our endangered resources.

3. To be able to summarize the duties of those involved in forestry.

LESSON PROCEDURES:

1. Use study prints on Vandalized Environment to encourage discussion.

2. Tape on forestry for class to hear.

3. Individuals may explore the occupations related to forestry and any other careers pertaining to the environment.

4. A composite of the researched occupations will be made for the class.

5. Endangered resources will be listed with possible solutions for the problem.

MATERIALS AND RESOURCES:

1. Texts:

Jones & Murphy. Geography and World Affairs. Rand McNally, 1971.
Kohn & Drummond. The World Today. McGraw-Hill, 1963.

2. Books:

Environmental Careers. Career World, November, 1973.
Floherty, John Joseph. Forest Ranger. Lippincott, 1956.
Occupational Outlook Handbook. U. S. Department of Labor, 1972-73.

MATERIALS AND RESOURCES: (Continued)

3. Films:

Forest People. Educational Motion Pictures for Virginia's Public Schools.

4. Filmstrips:

Environmental Careers. Career Cluster, Westinghouse, 1972. (sound)
Age of Electronics. Experimental Test Technicians. (sound)

5. Prints:

Vandalized Environment. Documentary Photo Aids.

6. Tapes:

Forestry. Classroom World Productions, 1972.

7. Career Summaries:

Forester. Careers, Inc., Largo, Florida.
Tree Surgeon. Careers, Inc., Largo, Florida.
Forest Technician (Aide). Careers, Inc., Largo, Florida.
Forest Technician. SRA.
Foresters. SRA.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"TRANSPORTATION CAREERS: AIRLINE"

GRADE: 9
SUBJECT: WORLD HISTORY AND/OR GEOGRAPHY

BROAD OBJECTIVES:

1. To acquaint students with the importance of transportation to our modern way of life.

2. To make students aware of the rapid changes and advances in transportation.

3. To explore the many careers related to air transportation.

PERFORMANCE OBJECTIVES:

1. The student will be able to trace the rapid advances in transportation and to assess the importance of air transportation to his own life.

2. The student will learn of the many opportunities available to him in a career in air transportation.

LESSON PROCEDURES:

1. Introduce the unit with the filmstrip, American Transportation: Horseback to Jet.

2. General class discussion on transportation advances, with the leader manipulating the discussion to arrive at the advances in air.

3. Free choice for individual research and projects.

4. Oral presentations by the students to the class. These presentations may be accompanied by maps, charts, pictures, etc.

5. Utilization of available community resource persons.

6. Role playing relating to the various job opportunities.

MATERIALS AND RESOURCES:

1. Texts:

Boak, Slesson, et. al. The History of Our World. Houghton Mifflin Company, 1964.
Jones & Murphy. Geography and World Affairs. Rand McNally, 1971.
Kohn & Drummond. The World Today. McGraw-Hill, 1963.

MATERIALS AND RESOURCES: (Continued)

1. Texts: (Continued)

Perry, Marvin. Man's Unfinished Journey. Houghton Mifflin Company, 1971.

2. Filmstrips:

The Air Age. Life, 1956.
American Transportation: Horseback to Jet. Life, 1955.
Air Lines: Stewards. Society for Visual Education, 1973. (sound)
The Airline Attendant. SVE. (with sound)
Transportation Careers. Westinghouse, 1973.

3. Film Loops:

Air Lines - Stewardess. Eye Gate.
Air Planes - Pilot Training. Eye Gate.
Airplane Mechanics. Encyclopedia Britannica.
Airplane - Jet Engine Mechanic. Eye Gate.

4. Books:

American Heritage. History of Flight. American Heritage, 1962.
Coombs, Charles. Aerospace Pilot. Morrow, 1964.
Coombs, Charles. Wheels, Wings, and Water. World, 1963.
Danforth, Paul M. Transportation: Managing Men on the Move. Doubleday, 1968.
Goerner, Fred. The Search for Amelia Earhart. Doubleday, 1966.
Hood, Joseph F. Skyway Round the World. Charles Scribner's Sons, 1968.
Lindberg, Charles. "We". G. P. Putnam's Sons, 1927.
Richards, Kenneth G. People of Destiny: Charles Lindbergh. Childrens Press, 1968.
Rickenbacker, Edward V. Rickenbacker. Prentice-Hall, 1968.
Scribner, Kimball J. Your Future as a Pilot. Richards Rosen, 1968.
Stoddard, Hope. Famous American Women. "Amelia Earhart". Thomas Y. Crowell Company, 1970.
Thomas, Lowell. Famous First Flights that Changed History. Doubleday, 1968.
Whitehouse, Arch. The Skys the Limit. Macmillan, 1971.

5. Films:

Transportation in the Modern World
Helicopter Carries Mail
Air Power - The Early Days
Airplane Trip by Jet
Airplanes Work for Us

MATERIALS AND RESOURCES: (Continued)

5. Films: (Continued)

Airport in the Jet Age
Busy Airport
Jet Pilot
Transportation by Air

(All of the above films are available from Educational Motion Pictures for Virginia's Public Schools.)

6. Career Summaries:

Airline Dispatchers. SRA Occupational Briefs, 1972.
Airline Pilots. SRA Occupational Briefs, 1972.
Airline Stewards and Stewardesses. SRA Occupational Briefs, 1972.
Airline Traffic Agents and Clerks. SRA Occupational Briefs, 1972.
Airport Managers. SRA Occupational Briefs, 1972.
Aeronautical Draftsman. Careers, Inc., 1970.
Aerospace Engineering Technician. Careers, Inc., 1970.
Aircraft Mechanic. Careers, Inc., 1970.
Airline Dispatcher. Careers, Inc., 1970.
Airline Clerical Jobs. Careers, Inc., 1970.
Airline Stewardess. Careers, Inc., 1970.
Airline Ticket Agent. Careers, Inc., 1970.
Airport Superintendent. Careers, Inc., 1970.
Air Traffic Controller. Careers, Inc., 1970.
Architectural Technician. Careers, Inc., 1970.
Traffic Manager. Careers, Inc., 1970.
Helicopter Pilot. Careers, Inc., 1970.
Pilot, Commercial. Careers, Inc., 1970.

7. Resource People:

Community resource people for any related area of air transportation.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN CARTOGRAPHY"

GRADE: 9
SUBJECT: WORLD HISTORY AND/OR GEOGRAPHY

BROAD OBJECTIVES:

1. To orient students to the ways we have learned about the universe and the importance of this knowledge to society.

2. To explore the careers related to cartography.

PERFORMANCE OBJECTIVES:

1. The student will be able to assess contributions made by cartographers.

2. The student will be able to read maps, understand their construction, and understand various projections.

3. The student will learn terminology and be able to use it intelligently.

4. The student will learn the educational requirements, methods and places of work, possibilities for advancement, and approximate salaries.

LESSON PROCEDURE:

1. Introductory class discussion relating to the different kinds of maps.

2. Use of filmstrips or films to reinforce discussion.

3. Discussion specifically related to cartographers and their contributions.

4. Use of outline maps for individual study.

5. Guest speaker where applicable or available.

MATERIALS AND RESOURCES:

1. Texts:

Jones & Murphy. Geography and World Affairs. Rand McNally, 1971.
Kohn & Drummond. The World Today. McGraw-Hill, 1963.

2. Books:

Tannenbaum, Beulah & Stillman, Myra. Understanding Maps. McGraw-Hill Book Company, 1973.
U. S. Department of Labor. Occupational Outlook Handbook, "Geographers". U. S. Department of Labor, Washington,

MATERIALS AND RESOURCES: (Continued)

2. Books: (Continued)

D. C., 1972-73.

3. Career Summaries:

Cartographer. Careers, Inc., Largo, Florida, 1973.
Cartographers. SRA Occupational Brief, 1970.

4. Aids:

Individual Outline Maps
Wall Maps
Atlases
Globes

5. Filmstrips:

Learning to Use Maps. Encyclopedia Britannica Educational Corporation, 1958.
Maps and Map Projections. World Geographic Series, McGraw-Hill Corporation, 1964.

6. Films:

Map Skills - Using Different Maps Together. (11 min.)
Mapping the Earth's Surface. (16 min.)
Maps - Coastal Symbols and Terms. (20 min.)
Maps - Where am I? (11 min.)
Maps Add Meaning to History. (11 min.)
Maps and Their Meaning. (15 min.)
Maps are Fun. (11 min.)
Maps in a Changing World. (11 min.)
Maps of Our Locality. (11 min.)
Maps of Our World. (11 min.)
Maps, Land, Symbols and Terms. (14 min.)

(All of the above films are available from Educational Motion Pictures for Virginia's Public Schools.)

7. Resource People:

Cartographer
Teaching Specialist in Cartography

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN EMPLOYEE AND LABOR ORGANIZATIONS"

GRADE: 11
SUBJECT: U. S. HISTORY

BROAD OBJECTIVES:

1. To inform students of the main purposes of employee and union associations; their operations and accomplishments.

2. To explore career opportunities in these organizations.

PERFORMANCE OBJECTIVES:

1. To be able to access the main contributions of these organizations in strengthening bargaining power with employers for better wages and working conditions.

2. To understand how these organizations operate and the extent of member participation.

3. To realize that several organizations and unions conduct apprentice training programs where the trainee may earn and learn.

LESSON PROCEDURE:

1. Class discussion.
2. Introduce filmstrip, Rise of Industrial America.
3. Individual research and study.
4. Reports, oral or written.
5. Resource speakers.
6. Filmstrip: Growth of the Labor Movement.
7. Identify occupations, requirements, wage scale.

MATERIALS AND RESOURCES:

Filmstrips:

Growth of the Labor Movement. Guidance Associates, 1968.
Rise of Industrial America. Eye Gate, 1969.

Books:

Coleman, James S. Union Democracy. ARNO, 1969.
Greenstone, J. David. Labor in American Politics. Knopf, 1969.
Paradis, A. A. Labor in Action, The Story of the American Movement. Messner, 1969.

Resource Material:

V.E.A. Virginia Education Association, Richmond, Va.
N.E.A. National Education Association, Washington D. C.

MATERIALS AND RESOURCES: (Continued)

Resource Material: (Continued)

A.F.L. - C.I.O. New River Valley Central Labor Council, Fairlawn, Virginia.

Careers, Inc., Largo, Florida. 5328 Labor Arbitrator (Conciliator) S-38 Industrial and Labor Relations Director.

SRA Occupational Brief No. 393 (Union Business Agents)

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN THE AMERICAN BUSINESS SYSTEM"

GRADE: 11
SUBJECT: U. S. HISTORY

BROAD OBJECTIVES:

1. To explore the broad spectrum of the world of business in a free enterprise system.

2. To acquaint students with the many occupations now available and the implications for career opportunities.

PERFORMANCE OBJECTIVES:

1. Will be able to examine the types of business: (Production and Sales and Service) Single ownership, partnership, the corporation, the conglomerate, the consortium.

2. Student will recognize the role of the two kinds of people in a corporation: the investor and the employee.

3. To be aware of the kinds of securities offered investors and explore the stock market and recognize the vocabulary of investment.

LESSON PROCEDURE:

1. Filmstrip: Industrial Revolution in America.
2. Discussion around main street business.
3. Brochures and financial statements and reports to stock holders.
4. How to read the Stock Market Report.
5. Individual research - reports.
6. Filmstrip: The Corporation.
7. Outside speaker - or trip to Brokerage Firm.
8. Identify the job classifications, requirements, pay scales.

MATERIALS AND RESOURCES:

Book:

Sarnoff, Paul. Wall Street Careers. Julian Messner, N. Y.

Filmstrips:

The Corporation. Guidance Associates, 1969.
The Industrial Revolution in America. Guidance Associates, 1971.

Newspaper:

Stock Market Reports in most papers.
Wall Street Journal

MATERIALS AND RESOURCES: (Continued)

Booklets:

Annual reports from major corporations.

Periodicals:

Fortune Magazine
Business Week
Forbes

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN MASS TRANSPORTATION"

GRADE: 11
SUBJECT: U. S. HISTORY

BROAD OBJECTIVES:

1. To examine the need to establish and maintain mass transportation systems to conserve energy. (fossil fuels; oil, gas, coal)

2. To explore mass transportation today and be aware of career opportunities in these fields. (Railroad, air, water, bus, truck)

PERFORMANCE OBJECTIVES:

1. To become aware of the enormous consumption of energy in single vehicle conveyance as compared with mass transportation.

2. To understand the role of government, past and present, in mass transit systems.

3. To recognize the various occupations relating to training requirements, advancement, and salaries.

LESSON PROCEDURE:

1. Filmstrip: Transportation, Horseback to Jet.
2. Discussion - energy crisis - costs.
3. Independent study. (Choice)
4. Oral and written reports.
5. Resource people.
6. Use of newspaper.
7. Library study.
8. Films: Transportation in the Modern World.
9. Identify occupations - educational and training requirements, salaries.

MATERIALS AND RESOURCES:

Filmstrips:

Airlines: Stewards. SVE, 1973.
American Transportation Careers. Westinghouse, 1973.
Transportation, Horseback to Jet. Life, 1955.
The Automotive Mechanic. SVE, 1973.

Films:

Transportation in the Modern World. Educational Motion Pictures. Richmond, Va.
Transportation by Land. by Air.
Trucks and Trains.
Railroad Builders.

MATERIALS AND RESOURCES: (Continued)

Films: (Continued)

Airport in the Jet Age.
Jet Pilot.

Books:

American Heritage. History of Flight. 1962.
Burt, Olive. The Story of American Railroads. Day, 1969.
Coombs, Charles. Wheels, Wings and Water. World, 1963.
Dauforth, Paul. Transportation: Managing Man on the Move. Doubleday, 1970.
U. S. Department of Labor. Occupational Outlook Handbook.
"Driving Occupations", 1973.
"Railroads", 1972-73.
"Airlines", 1972-73.

Periodicals:

Fortune Magazine, Dec., 1973, p. 110. "New Outbreak of Zepplin Fever" by Tom Alexander.

Careers, Inc., Largo, Florida. (Career Summaries)

S. R. A. Occupational Brief.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN AGRIBUSINESS"

GRADE: 11
SUBJECT: U. S. HISTORY

BROAD OBJECTIVES:

1. To explore this gigantic field of production; supplies and services; mechanics; product processing, storage and marketing.

2. To become aware of occupations in this most important business and the educational and job requirements, as well as earnings in the many sectors.

PERFORMANCE OBJECTIVES:

1. The student would be able to access that the present U. S. boom in farming is largely due to bad weather in many parts of the world, and also because of devaluation of the dollar.

2. To be aware of the fact that our government uses agriculture as a major point in diplomatic and trade negotiations.

3. Will recognize that present federal government policies of subsidies and price supports are not needed to restrain production.

LESSON PROCEDURE:

Class discussion on Cost of Food.
View filmstrip on The Farm Question.
Free choice of research.
Oral or written reports.
Resource person from the area.
Film: Foreign Marketing.
Filmstrip: Environmental Career.
Identify careers - requirements - training.
Career Education Cluster - Westinghouse Learning Corporation.
Filmstrip: "AgriBusiness and Natural Resources"

MATERIALS AND RESOURCES:

Films:

The American Farmer.
Breakthrough - The Challenge of Agriculture Research.
Agriculture U.S.A.
Agriculture Story.

Books:

Environmental Careers. Career World, Nov., 1973. Curriculum Innovations, Inc.

MATERIALS AND RESOURCES: (Continued)

Filmstrips:

Environmental Career. Career Cluster. Westinghouse, 1973.
Foreign Marketing. Department of Education, Richmond, Virginia.
The Farm Question. Guidance Associates, Inc., 1969.

Booklets: (Free)

"Careers in Soil Conservation Service"
U. S. Department of Agriculture
Washington, D. C. 20250

"Your Farm Background and Agribusiness Selling"
Sales and Marketing Executives International
630 Third Avenue
New York, New York 10017

"There's a New Challenge in Agriculture"
American Farm Bureau Federation
225 Touhy Avenue
Park Ridge, Illinois 60068

"Engineering Careers in the Worlds Largest Industry"
American Society of Agricultural Engineers
2950 Niles Road
St. Joseph, Missouri 40986

Magazine:

Career World. Volume 2 - No. 9, May, 1974. Curriculum Innovations, Inc.

Resource:

V. P. I. and State University
College of Agriculture and Life Sciences
Blacksburg, Virginia 24060 (Write Dean)

Kits:

S.R.A. Occupational Brief Kit. No. 202, 192. 47, 214, 211, 232, 255, 262. Science Research Associates, Inc., 259 East Erie St., Chicago, Ill. 60611.
Careers, Inc. Kit. S.145, S-63.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN A PEOPLE'S GOVERNMENT"

GRADE: 11
SUBJECT: U. S. HISTORY

BROAD OBJECTIVES:

1. To reorient the student to the need for citizen participation in a people's government on three levels of government.

2. To recognize the great wealth of careers in public service.

PERFORMANCE OBJECTIVES:

1. The student will be aware of the role of the citizen in a people's government. (A nation born out of love of liberty and freedom must recognize the need of duty.)

2. To understand the role of government - to protect and to serve.

LESSON PROCEDURES:

1. Discussion relating to today's scene.

2. Individual research, Our Federal Government (filmstrip), library study.

3. Use of daily news reports.

4. Resource person for summary.

5. Study reports from students.

6. Summary of opinions and finalize.

7. Visit governmental body units and observe.

MATERIALS AND RESOURCES:

City Charter of Radford, Virginia
Virginia Constitution
U. S. Constitution

Filmstrips:

City Government in Action. Guidance Associates.
Our Federal Government Series. Is A Career in Government for You? Educational Motion Pictures. Richmond, Virginia.

Film:

Community Governments - How they Function. Educational Motion Pictures. Richmond, Virginia.

MATERIALS AND RESOURCES: (Continued)

Books:

Sakell, Achilles. Careers in Foreign Service. Henry Z. Walck, Inc., New York.
Magruder, F. A. American Government. Allyn and Bacon.

Institutes and Training Programs:

Public Personnel Training Programs - Lynchburg, Virginia.
Institute for City and Town Councilmen, Mayors, Administrators. University of Va., Charlottesville, Va. Yearly, August 26, 28, 1974.
Institute of Government. University of Va., Charlottesville, Va. Yearly, August 26, 28, 1974.

Magazine:

Career World, Feb., 1974. Curriculum Innovations.

Booklet:

"Working for the U.S.A." (Free)
U. S. Civil Service Commission
Washington, D. C. (or area)

SRA Occupational Brief No. 168, B-159 Professional Careers in Federal Government 324

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREER EXPLORATION: STOCK MARKET"

GRADE: 12
SUBJECT: AMERICAN GOVERNMENT

BROAD OBJECTIVES:

1. To introduce students to the idea of how a company, corporation or conglomerate obtains money necessary to operate.

2. To understand the experience needed to become a broker or other related careers.

PERFORMANCE OBJECTIVES:

1. Students will be able to understand various terms in business operations.

2. Students will understand daily stock market quotations.

3. Students will be able to understand how to obtain and sell stock shares.

4. Students will assess training of a broker and other stock related careers.

LESSON PROCEDURE:

1. Class information presented and discussed on meaning and usage of terms such as kinds of businesses, stocks, fluctuations, etc.

2. Usage of daily newspaper and television in stock quotations.

3. Students visit local brokers office for information and observation of the stock quotation board in action.

4. Students will buy stocks from actual listings, then set up "Wall Street" in classroom for buying and selling of these stocks.

5. Keep and use worksheets on gains or losses for several months, following daily newspapers.

6. Visits to classroom by various resource people such as brokers and trust officers to explain needed information on shares of stock, profit, loss, etc.

MATERIALS AND RESOURCES:

Books:

Annual Educational Readings in Economics. Dushkin Publishing Group. Guilford, Connecticut.

MATERIALS AND RESOURCES: (Continued)

Books: (Continued)

Eckstein, Otto. Foundations of Modern Economics Series. Prentiss Hall, Inc., Englewood Cliffs, New Jersey.
Leamer, Thompson. American Capitalism. Third Edition. Council for Advancement of Secondary Education, Washington, D. C.
McConnell, Campbell. Economic Principles, Problems and Policies. McGraw Hill Book Company, New York.
Sarnoff, Paul. Wall Street Careers. Julian Messner, New York.
Smith, Augustus. Economics for Our Times. McGraw Hill Book Company, New York.

Current newspapers and periodicals.

Stock Market Game.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN INCOME TAXING"

GRADE: 12
SUBJECT: AMERICAN GOVERNMENT

BROAD OBJECTIVES:

1. To understand the role of taxes in our society.
2. To recognize the importance of our tax system and voluntary compliance.
3. To understand the various careers involved in taxing such as Certified Public Accountants, Lawyers, etc.

PERFORMANCE OBJECTIVES:

1. To prepare accurate tax returns.
2. To understand the need for taxation.
3. To be able to relate taxation to welfare and services performed for us as individuals in a democracy.

LESSON PROCEDURE:

1. Provide tax booklets for each student to prepare returns.
2. Research answers to various tax questions.
3. Collect cartoons explaining points in taxation.
4. Select "tax experts" in class to help others in filing tax returns.
5. Set up student competitive quiz programs on taxation.
6. Prepare bulletin board on tax aids.
7. Use crossword puzzle on tax terms.
8. Invite tax specialists and other related specialists to share career opportunities and rewards.

MATERIALS AND RESOURCES:

"Understanding Taxes", Student Text and Teacher's Guide.
Department of Treasury, Internal Revenue Service.
"Your Federal Income Tax", Publication 17, IRS.
"Farmer's Tax Guide", Publication 225, IRS.

Tax films available at IRS District Office.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"CAREERS IN INTERNATIONAL SERVICE"

GRADE: 12
SUBJECT: AMERICAN GOVERNMENT

BROAD OBJECTIVES:

1. To help students realize the diversity and challenging opportunities of work in the Department of State to careers in international organizations.

2. To aid students in the understanding that international service is a personal one using individual talents, linguistics, etc.

PERFORMANCE OBJECTIVES:

1. Students will realize that Americans are everywhere.

2. Students understand that they will be serving their country and aiding themselves at the same time.

3. Students will appreciate their possible contribution to world peace.

4. Students will be able to recognize capabilities and training for foreign service appointments and professions.

LESSON PROCEDURE:

1. Class discussion relating to attractiveness and reward in international service.

2. Reports on different facets of foreign service from international jet pilots to missionaries.

3. Resource speakers on related areas and topics.

4. Role playing and simulations on various contemporary foreign situations.

5. Current events discussions.

6. Maintenance of a current foreign policy file.

MATERIALS AND RESOURCES:

Books:

Krosney, Herbert and Mary. Careers and Opportunities in International Service. E. P. Dutton and Company, New York, 1965.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"COURTS"

GRADE: 12
SUBJECT: AMERICAN GOVERNMENT

BROAD OBJECTIVES:

1. To help students realize the important contribution of courts to society.

2. To assist students in understanding the personal nature of careers involved in our judicial system.

PERFORMANCE OBJECTIVES:

1. Students will be able to understand various court terms and their application.

2. Students will assess various experience and training of court personnel - judges, lawyers, reporter, etc.

LESSON PROCEDURE:

1. Through research, discussion, question/answer, introduce meaning and understanding of courts and personnel.

2. Show filmstrips related to subject.

3. Visit local court in session.

4. Set up mock trial using students as actual participants in a criminal trial.

5. Analyze (students) the training and rewards involved in the metering out of justice.

MATERIALS AND RESOURCES:

Books:

Magruder. American Government. Allyn Bacon, New York, 1974.
Virginia's Government. State Chamber of Commerce. Richmond, Virginia.

Filmstrip:

"This Honorable Court". Guidance Associates, Pleasantville, New York.

MATERIALS AND RESOURCES: (Continued)

Filmstrips:

"Is A Career in Government For You?" Educational Motion Pictures. Richmond, Virginia.
"Governing the City". Educational Motion Pictures. Richmond, Virginia.

RADFORD CITY SCHOOLS CAREER EDUCATION PROGRAM

"GOVERNMENT SERVICE - LOCAL"

GRADE: 12
SUBJECT: GOVERNMENT

BROAD OBJECTIVES:

1. To realize the vast opportunities available in government service.

2. To appreciate the many offerings and services of government.

PERFORMANCE OBJECTIVES:

1. Students will be able to relate most any job preference to government service.

2. Students will be able to assess the contributions made by government workers.

3. Students will develop a greater pride in assuming responsibilities of citizenship.

LESSON PROCEDURE:

1. Using vast numbers of brochures, resource people, books, filmstrips to acquaint students with format of government, state and locally.

2. Students will research individual areas and offerings.

3. Using identical procedure of local nominations and elections, set up a local government within classes.

4. Enter into a cooperative experience with city officials allowing students to take office realistically for one full day.

5. Elected Student City Council to have realistic agenda that is later considered by regular council.

MATERIALS AND RESOURCES:

Virginia (or any state) Constitution
City Charter

Books:

Virginia's Government. Virginia State Chamber of Commerce. Richmond, Virginia, 1974.
Magruder. American Government. Allyn Bacon, New York, 1974.

MATERIALS AND RESOURCES: (Continued)

Books: (Continued)

Plano, Olton. The International Relations Dictionary. Holt, Rhinehart, Winston, New York.
Sakell, Achilles. Careers in the Foreign Service. Henry Z. Walck, Inc., New York, 1962.
Yost, Charles. The Insecurity of Nations. Frederick A. Praegar, New York.